

ABSTRACT

It is an object of the invention to effectively absorb and remove CO₂ in an exhaust gas generated during an industrial process for reducing an amount of exhausting CO₂ into the atmospheric air. The exhaust gas containing CO₂ is blown into the agglomerate of solid particles containing CaO and/or Ca(OH)₂ to contact CO₂ to the agglomerate for fixing CO₂ in the exhaust gas as CaCO₃, thereby to reduce the CO₂ concentration in the exhaust gas. Preferably, the solid particles contain water, and more preferably, the solid particles contain surface adhesive water.